

APPENDIX R

Observed and Predicted Blood Lead Levels by Age, Area, Dust Concentration and Action Criteria

Appendix R

Observed and Predicted Blood Lead Levels by Age, Area, Dust Concentration and Action Criteria

This appendix contains figures and tables related to Chapter 6. Included in this appendix are the following:

- Figure R-1a - Observed and Predicted Blood Lead Levels for 0-84 Month Old Children – IEUBK Community Mode
- Figure R-1b - Observed and Predicted Blood Lead Levels for 0-60 Month Old Children – IEUBK Community Mode
- Figure R-1c - Observed and Predicted Blood Lead Levels for 9-24 Month Old Children – IEUBK Community Mode
- Figure R-2a - Observed and Predicted Percent to Exceed Levels for 0-84 Month Old Children – IEUBK Community Mode
- Figure R-2b - Observed and Predicted Percent to Exceed Levels for 0-60 Month Old Children – IEUBK Community Mode
- Figure R-2c - Observed and Predicted Percent to Exceed Levels for 9-24 Month Old Children – IEUBK Community Mode
- Figures R-3a-f - Estimated Percent of Children to Exceed 10 µg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations by geographic area (similar to Figures 6-20a-b)
- Table R-1 - Estimated EPA Default Model Blood Lead Levels Associated With Various Yard Soil Cleanup Action Criteria
- Table R-2 - Estimated Box Model Blood Lead Levels Associated With Various Yard Soil Cleanup Action Criteria
- Table R-3 - Estimated Community Blood Lead Levels and Health Risk Associated With Various Yard Soil Cleanup Action Criteria
- Table R-4 - Individual Blood Lead Levels and Health Risk at Potential Action Levels

Figure R-1a Observed and Predicted Blood Lead Levels for 0-84 Month Old Children-IEUBK Community Mode

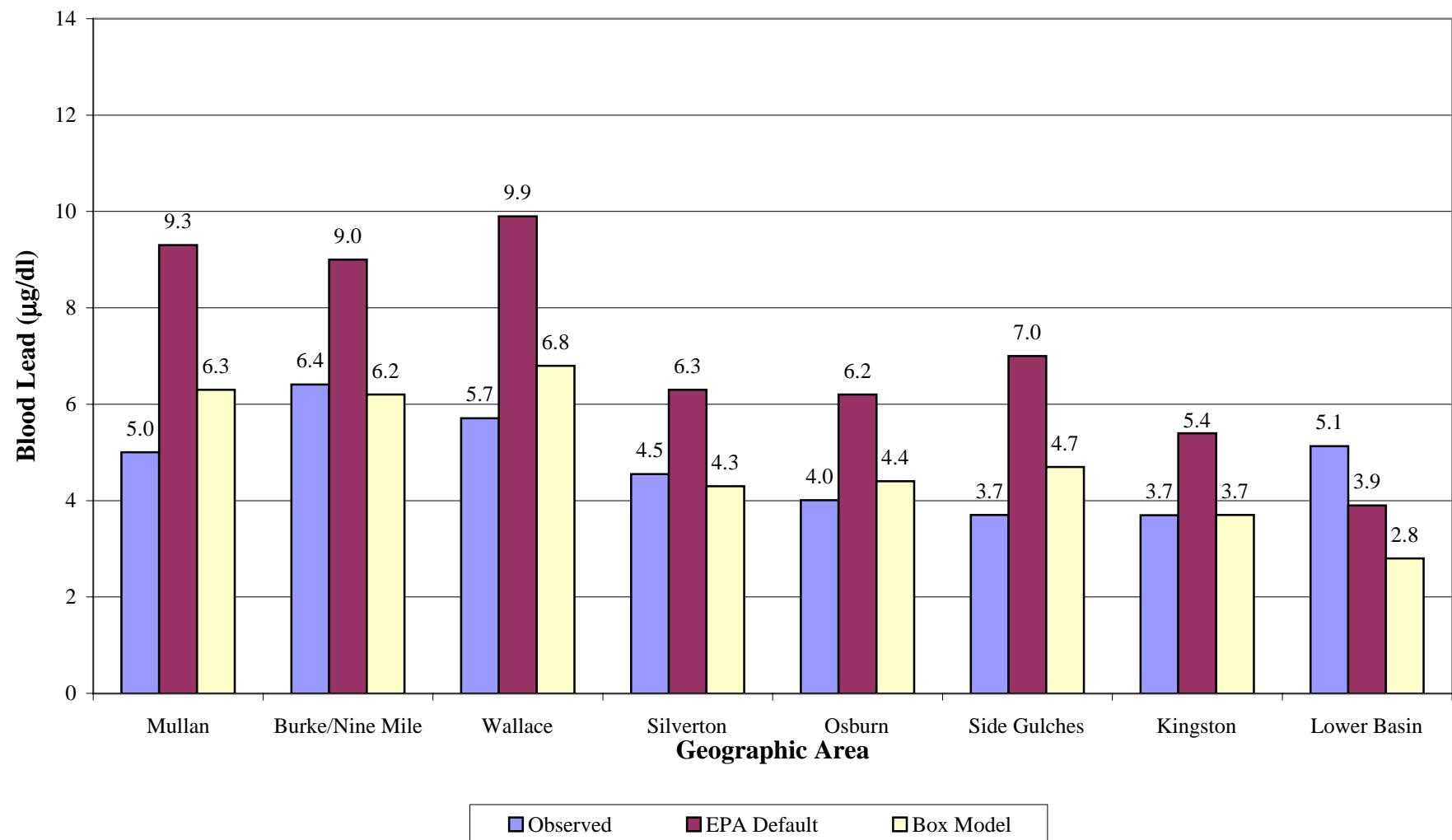


Figure R-1b Observed and Predicted Blood Lead Levels for 0-60 Month Old Children-IEUBK Community Mode

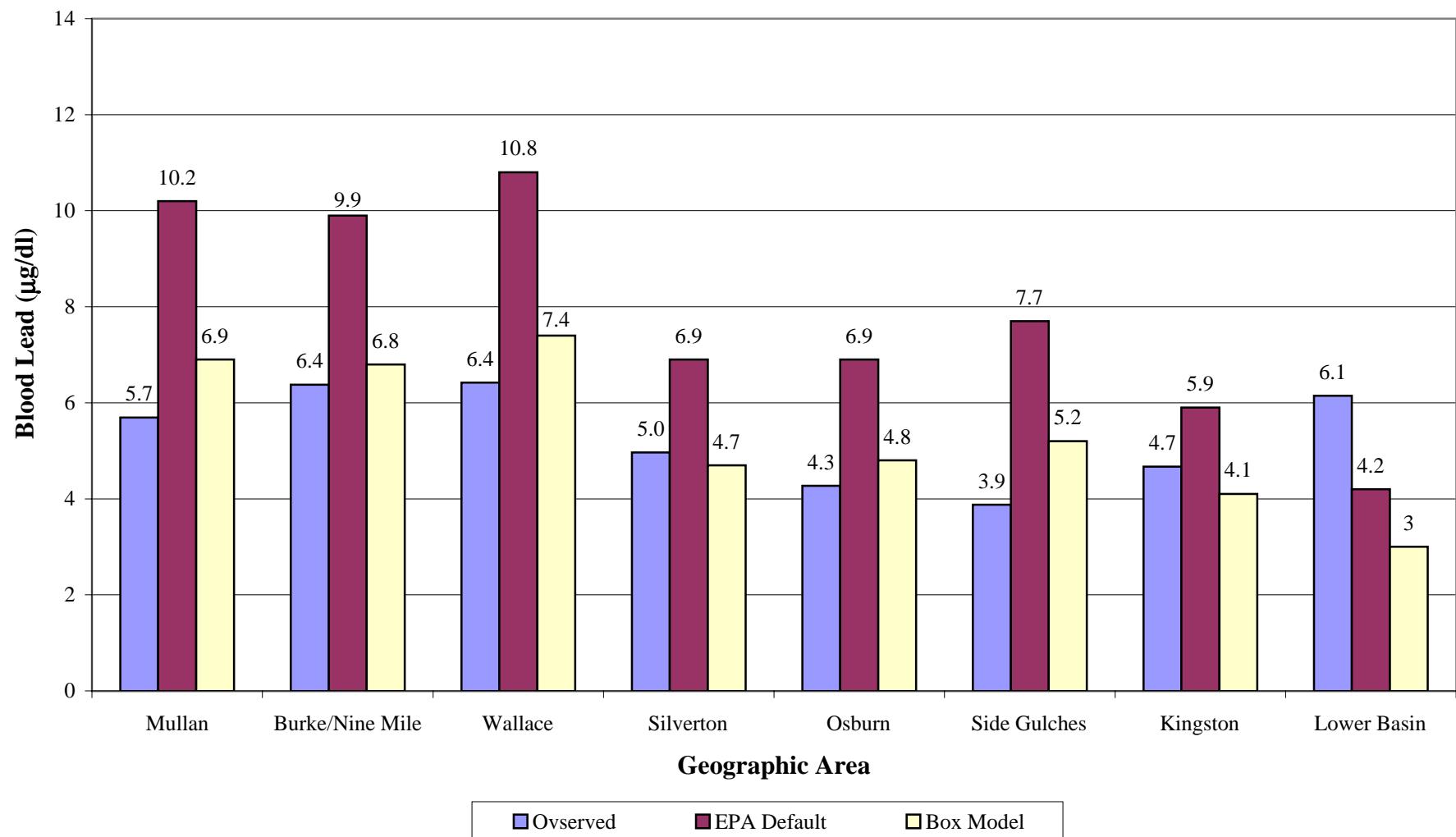


Figure R-1c Observed and Predicted Blood Lead Levels for 9-24 Month Old Children-IEUBK Community Mode

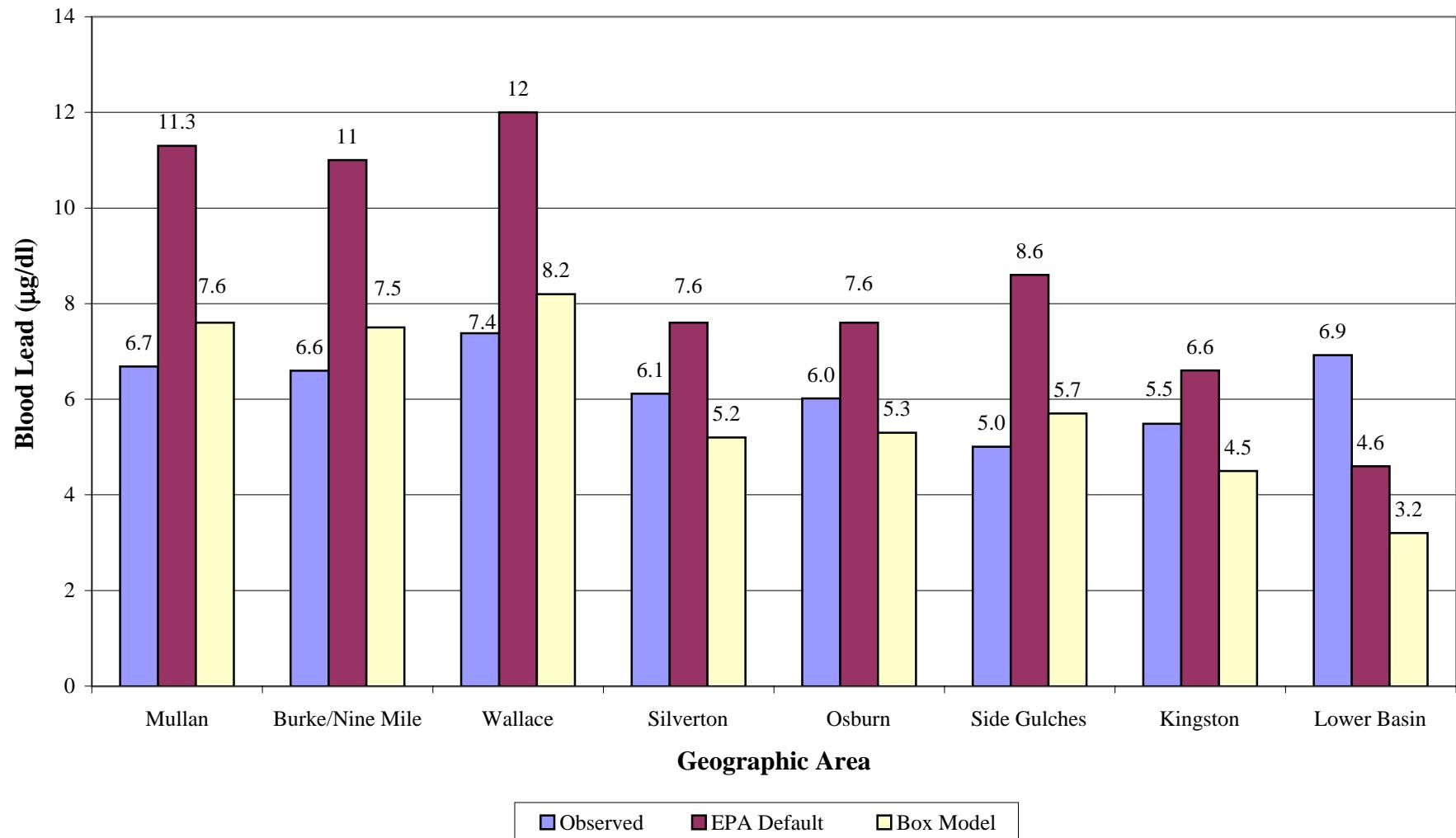
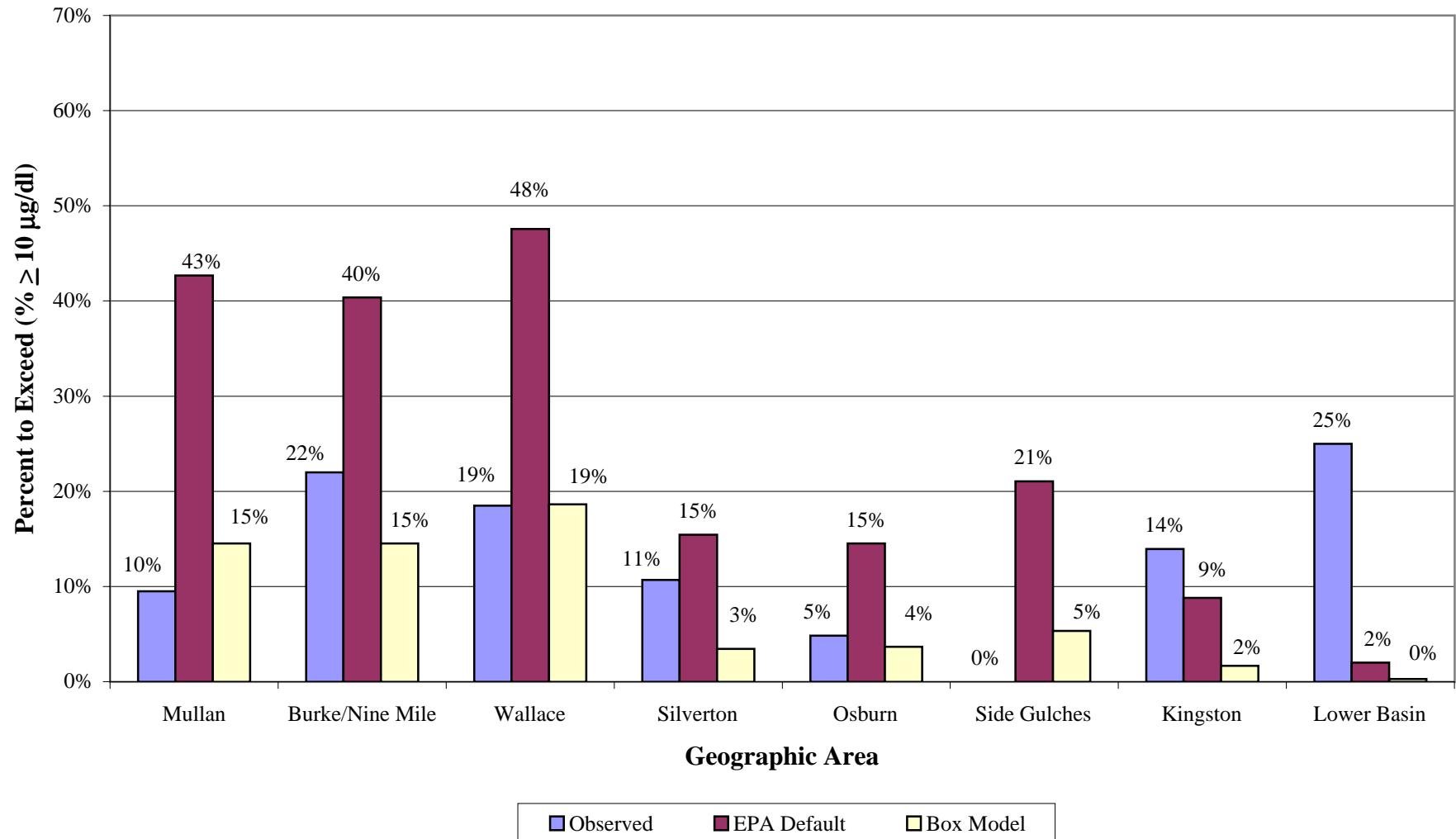


Figure R-2a Observed and Predicted Percent to Exceed Levels for 0-84 Month Old Children-IEUBK Community Mode



**Figure R-2b Observed and Predicted Percent to Exceed Levels for 0-60 Month
Old Children-IEUBK Community Mode**

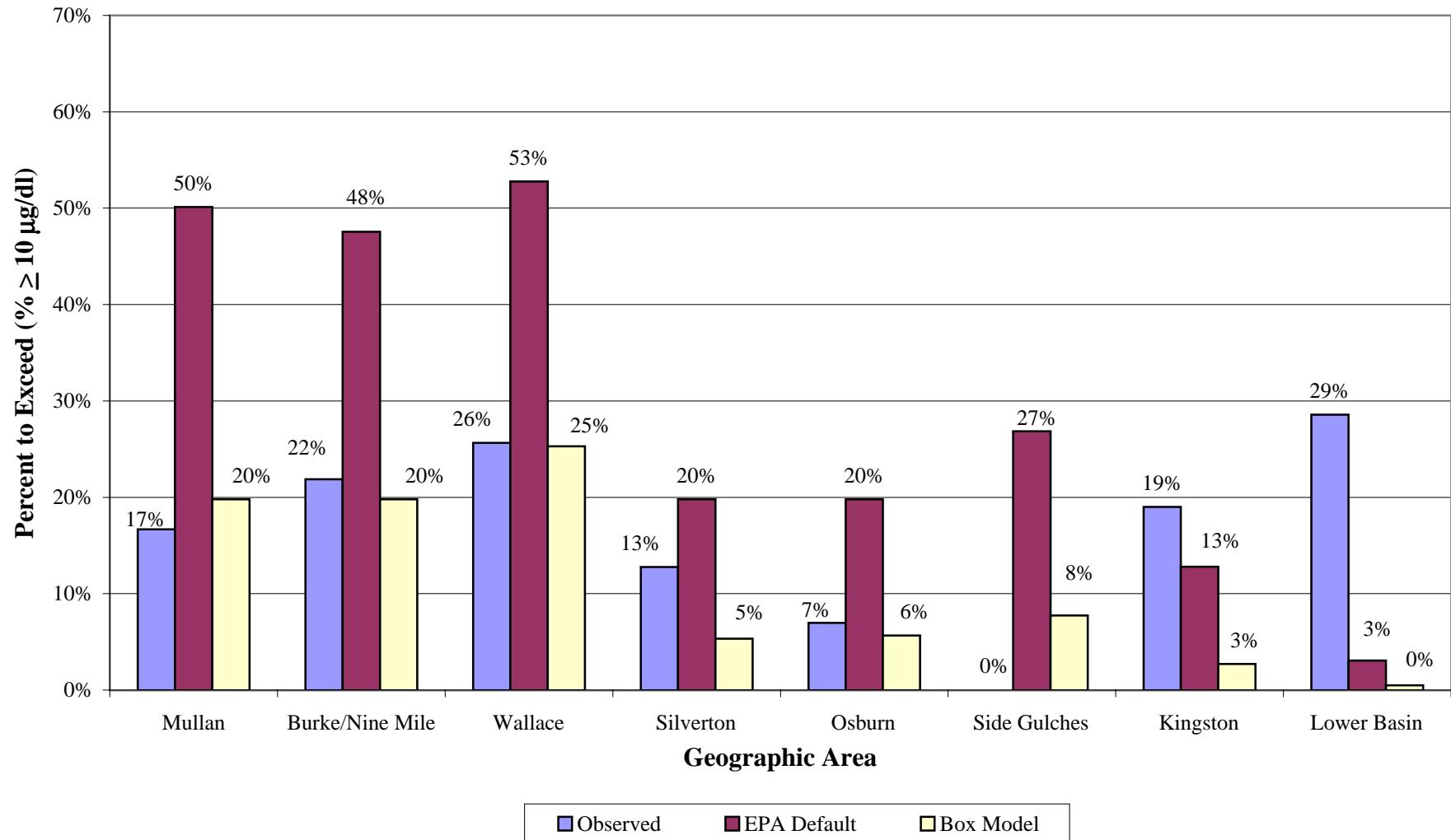


Figure R-2c Observed and Predicted Percent to Exceed Levels for 9-24 Month Old Children-IEUBK Community Mode

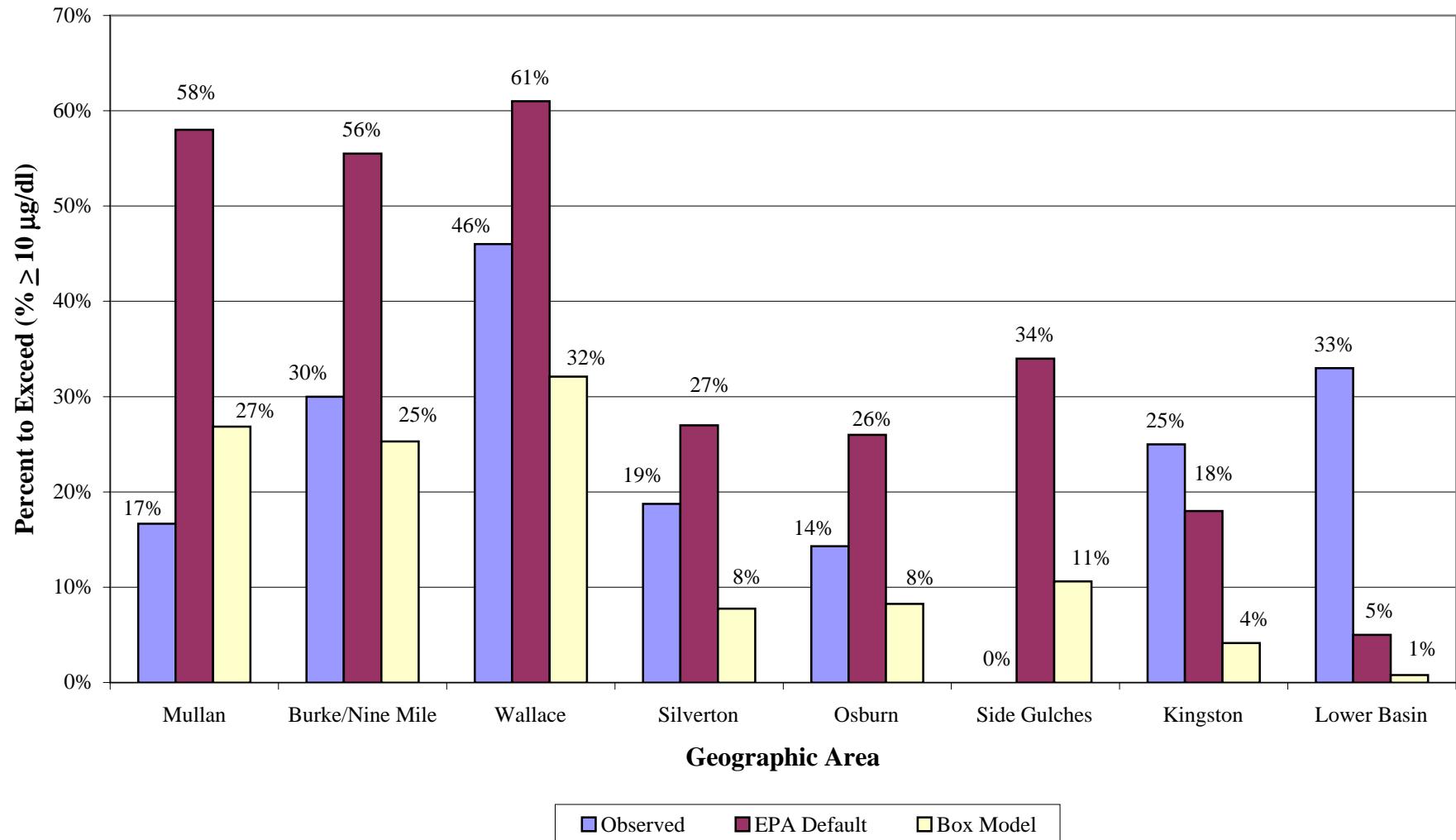


Fig R3a Mullan

Figure R-3a Estimated Percent of Children to Exceed 10 µg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Mullan

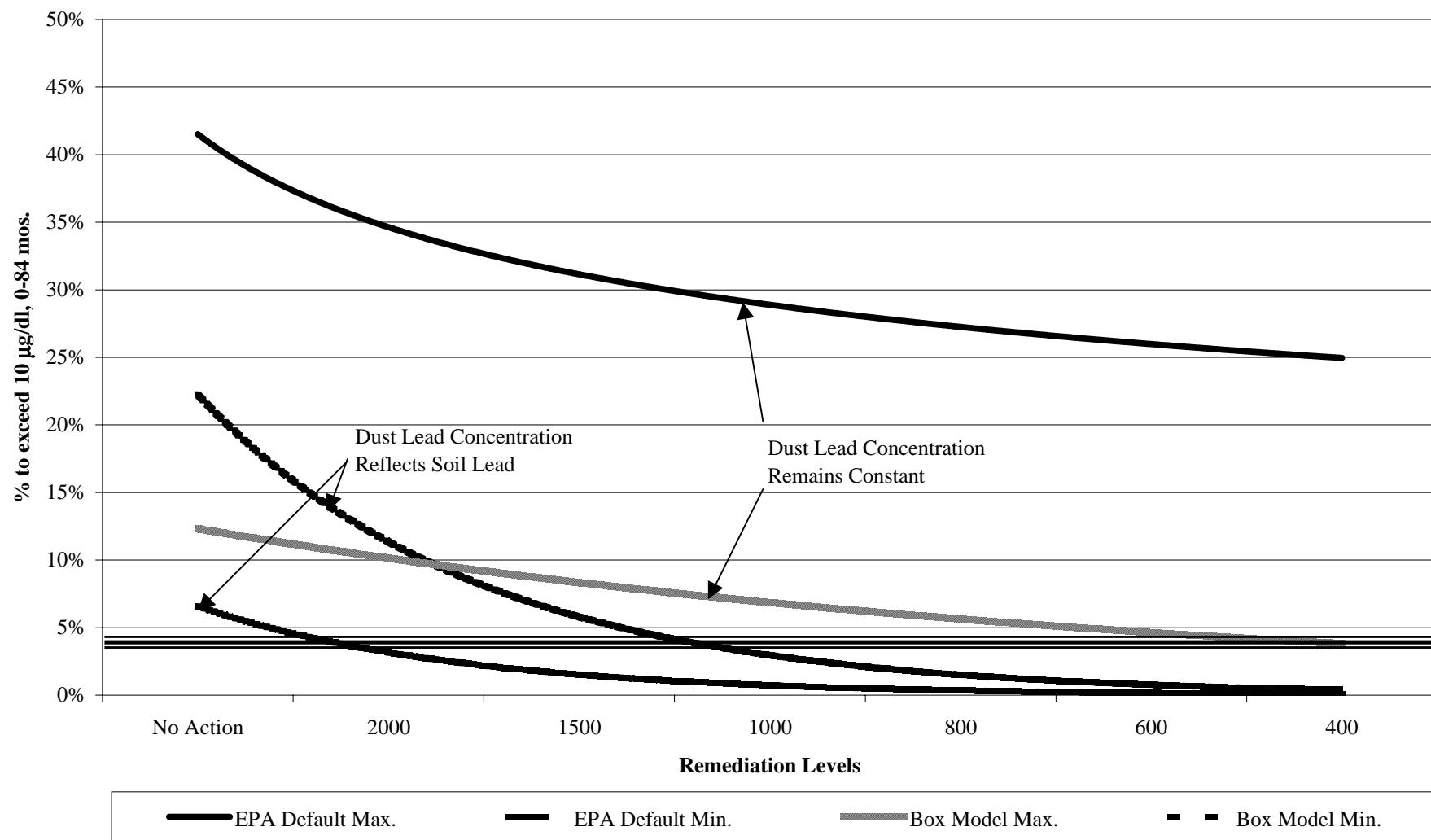


Fig R3b Burke-9Mile

Figure R-3b Estimated Percent of Children to Exceed 10 µg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Burke/Nine Mile

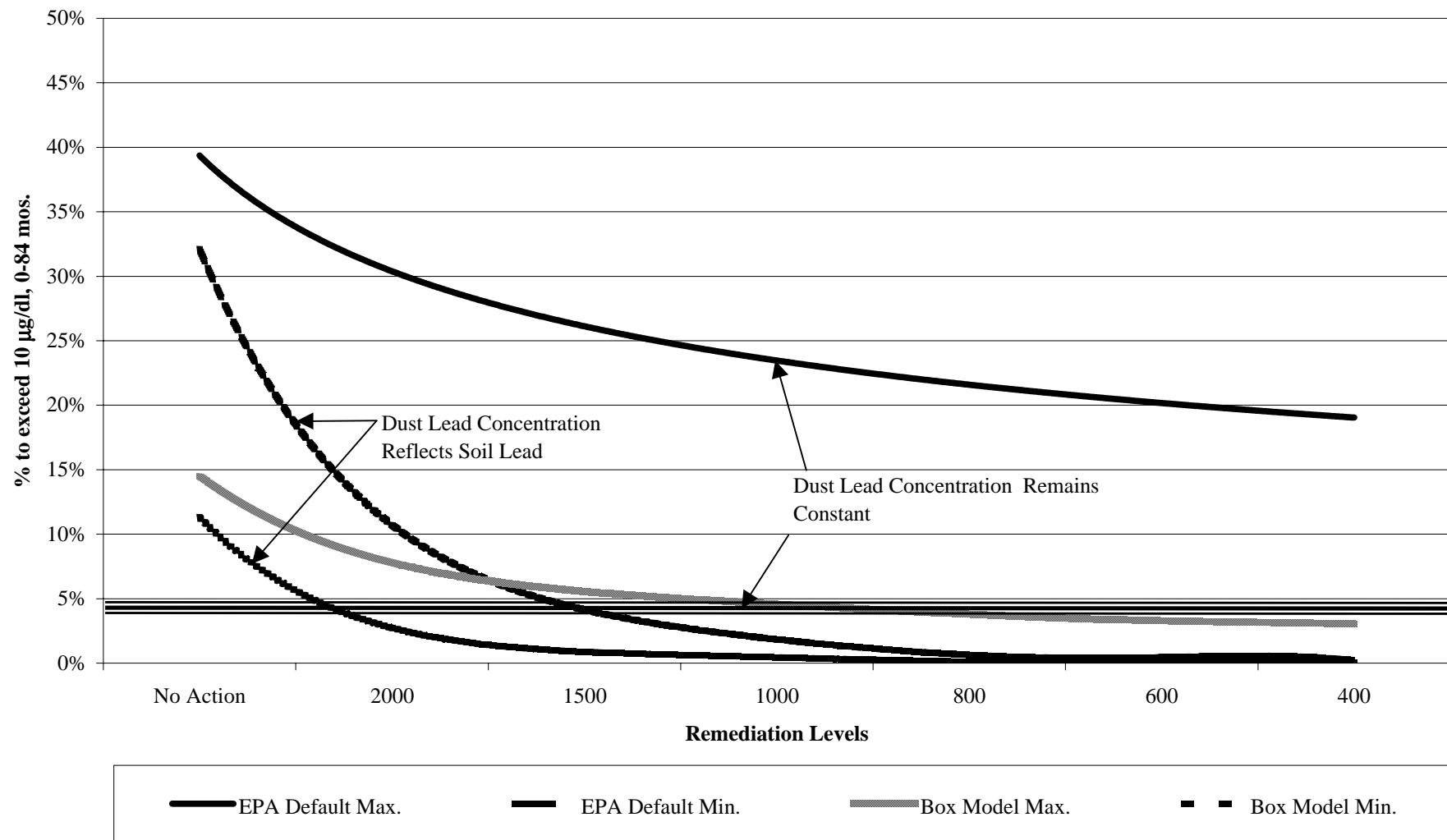


Figure R-3c Estimated Percent of Children to Exceed 10 µg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Silverton

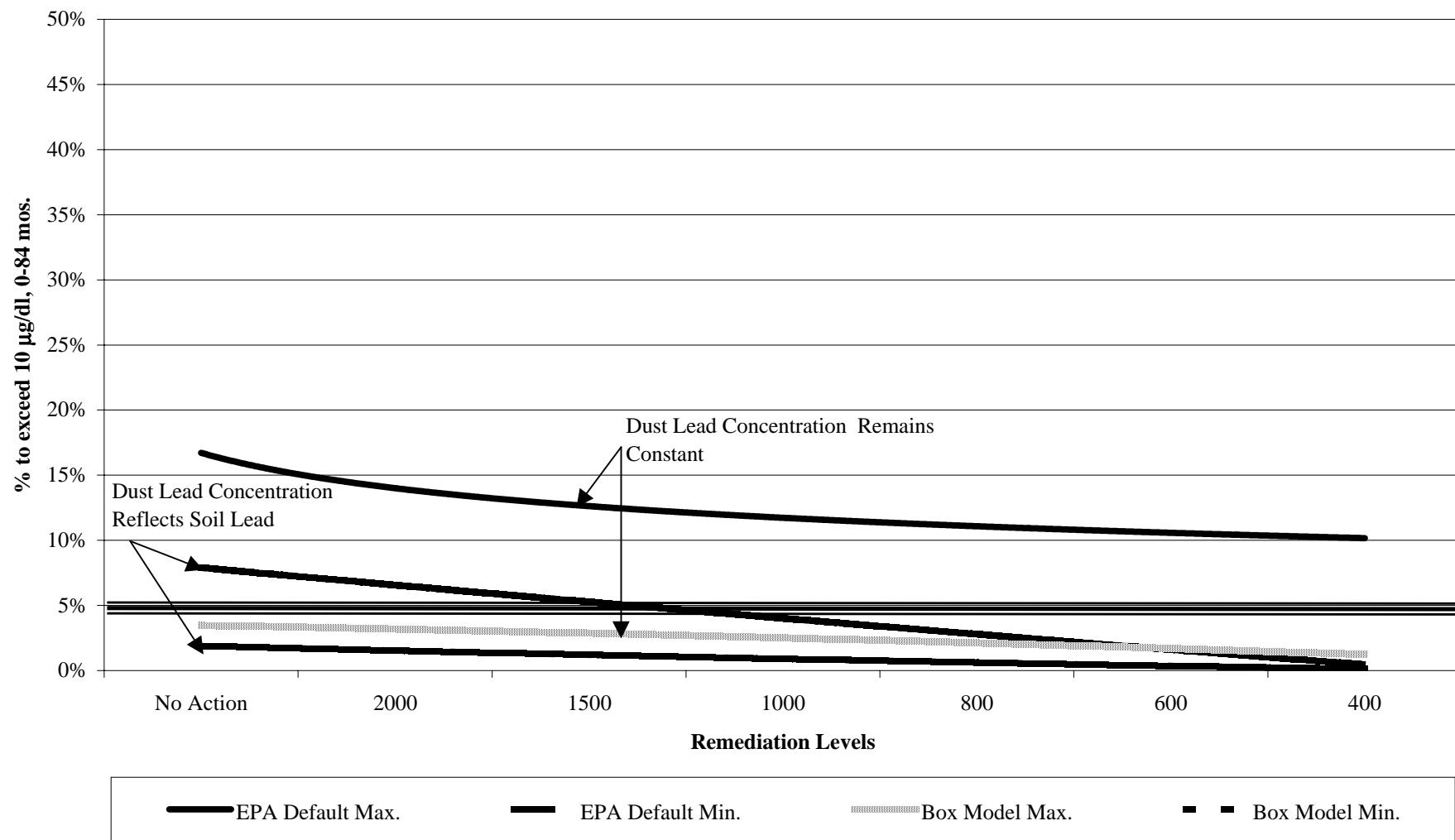


Figure R-3d Estimated Percent of Children to Exceed 10 µg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Osburn

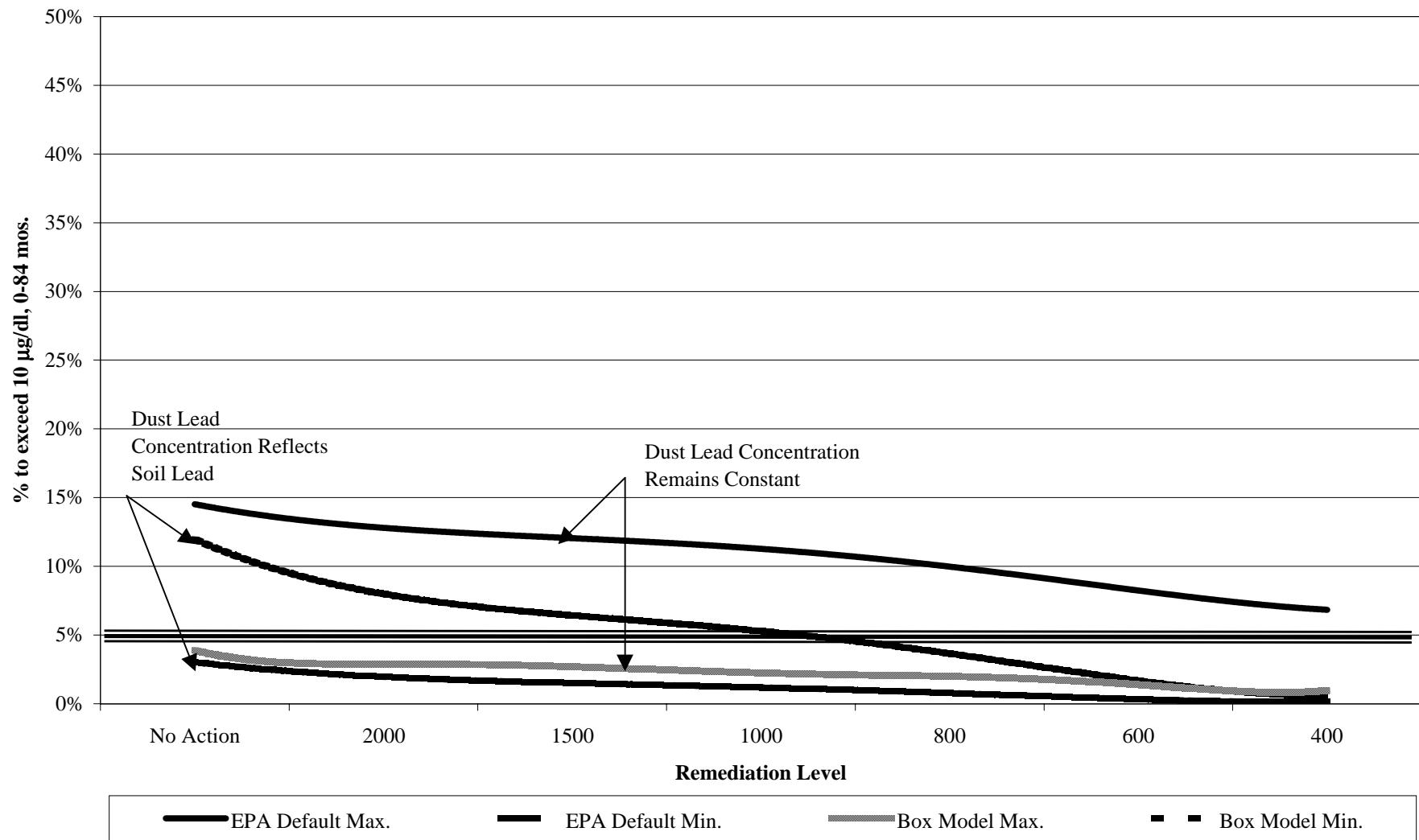


Figure R-3e Estimated Percent of Children to Exceed 10 mg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Side Gulches

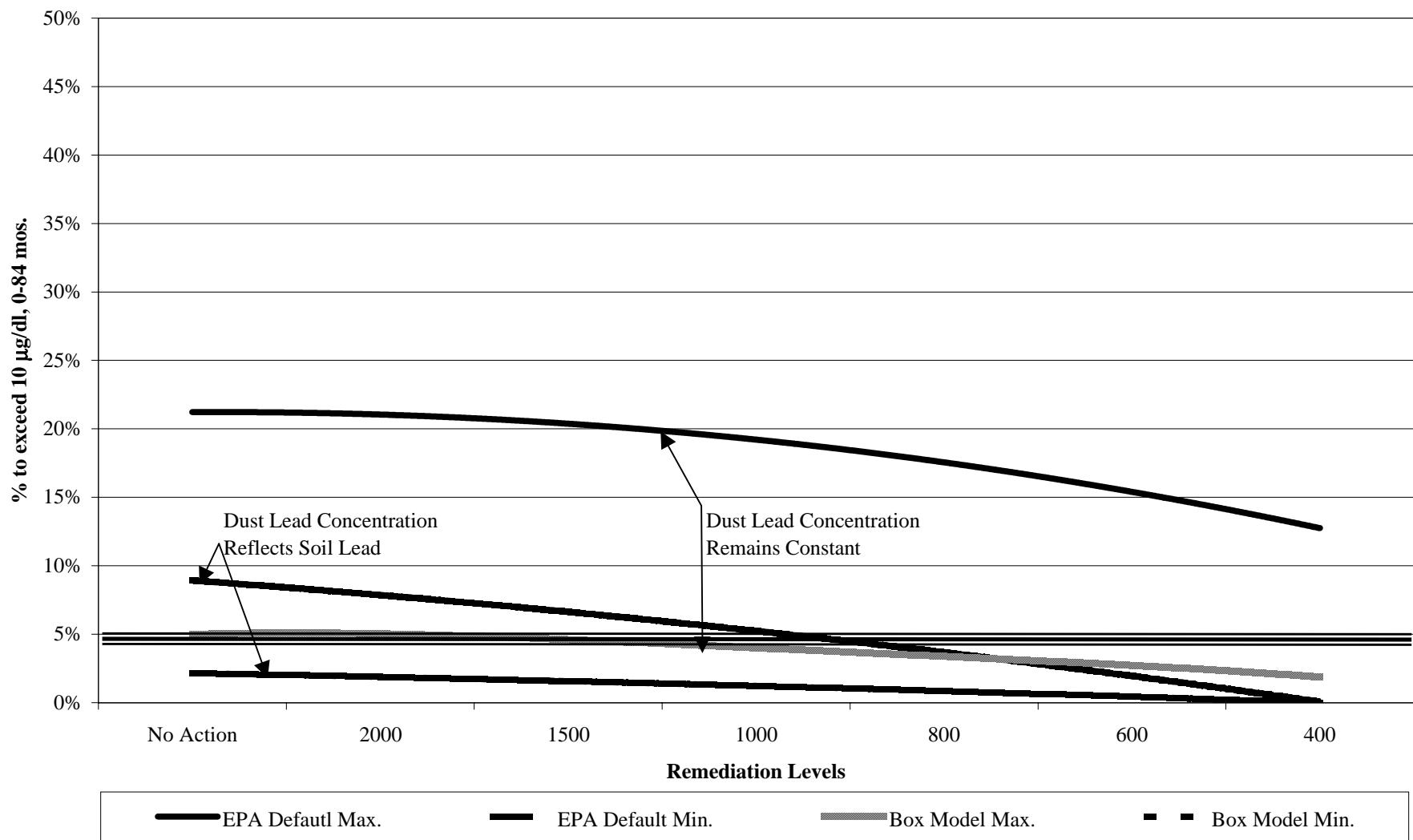


Figure R-3f Estimated Percent of Children to Exceed 10 µg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Kingston

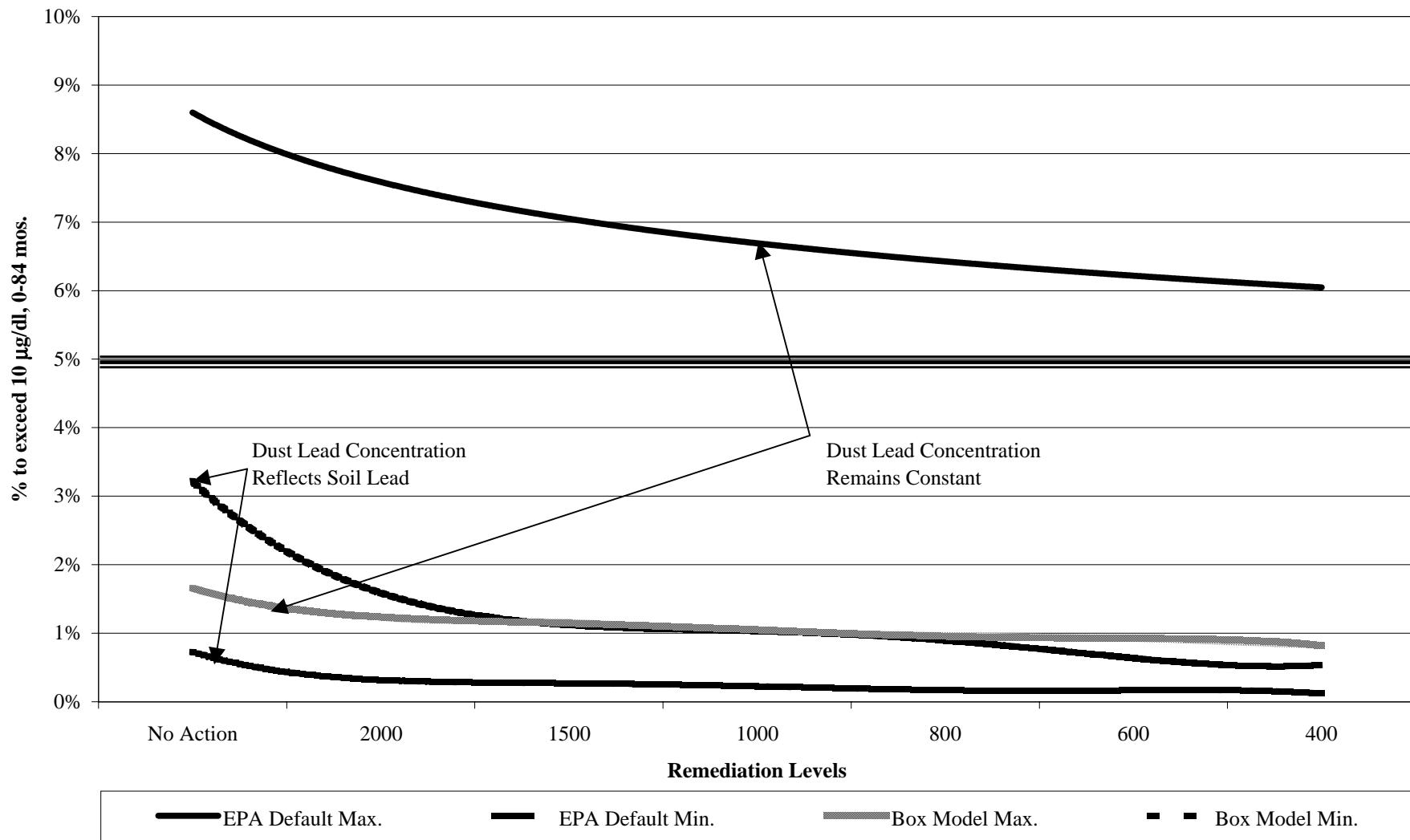


Table R-1 Estimated EPA Default Model Blood Lead Levels Associated With Various Yard Soil Cleanup Action Criteria

Mullan

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	627.8	985.0	11.3	58.29	10.2	50.13	9.3	42.68
400	127.9	985.0	9.1	40.37	8.2	32.10	7.5	25.29
600	158.8	985.0	9.2	40.37	8.3	32.10	7.6	26.86
800	199.4	985.0	9.4	42.68	8.5	34.02	7.7	26.86
1000	230.4	985.0	9.6	42.68	8.6	36.05	7.9	28.52
1500	299.9	985.0	9.9	47.56	8.9	38.16	8.1	30.26
2000	413.1	985.0	10.4	50.13	9.4	42.68	8.5	34.02
Actual	627.8	627.8	9.4	42.68	8.5	34.02	7.7	26.86
400	127.9	127.9	3.5	1.10	3.2	0.70	2.9	0.43
600	158.8	158.8	3.9	1.99	3.6	1.31	3.3	0.82
800	199.4	199.4	4.4	3.90	4.0	2.54	3.7	1.56
1000	230.4	230.4	4.8	5.67	4.4	3.67	4.0	2.39
1500	299.9	299.9	5.7	10.61	5.2	7.28	4.7	5.00
2000	413.1	413.1	7.0	21.06	6.4	15.45	5.8	11.30

Burke/Nine Mile

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	679.1	879.0	11.0	55.50	9.9	47.56	9.0	40.37
400	102.8	879.0	8.3	32.10	7.5	25.29	6.9	19.81
600	118.8	879.0	8.4	34.02	7.6	26.86	6.9	19.81
800	164.8	879.0	8.6	36.05	7.8	28.52	7.1	22.39
1000	195.4	879.0	8.8	36.05	7.9	28.52	7.2	22.39
1500	282.1	879.0	9.2	40.37	8.3	32.10	7.6	25.29
2000	401.4	879.0	9.7	45.07	8.8	36.05	8.0	30.26
Actual	679.1	679.1	9.9	47.56	8.9	38.16	8.1	32.10
400	102.8	102.8	3.1	0.61	2.9	0.39	2.7	0.22
600	118.8	118.8	3.3	0.92	3.1	0.58	2.8	0.35
800	164.8	164.8	4.0	2.25	3.6	1.47	3.3	0.92
1000	195.4	195.4	4.4	3.67	4.0	2.39	3.6	1.47
1500	282.1	282.1	5.5	9.36	5.0	6.42	4.5	4.42
2000	401.4	401.4	6.9	19.81	6.2	14.52	5.7	10.61

Table R-1 Estimated EPA Default Model Blood Lead Levels Associated With Various Yard Soil Cleanup Action Criteria (continued)

Wallace

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	771.5	1004.0	12.0	61.13	10.8	52.78	9.9	47.56
400	111.5	1004.0	9.1	40.37	8.2	32.10	7.5	25.29
600	142.0	1004.0	9.2	40.37	8.4	34.02	7.6	26.86
800	180.8	1004.0	9.4	42.68	8.5	34.02	7.8	28.52
1000	258.6	1004.0	9.8	45.07	8.8	38.16	8.1	30.26
1500	388.8	1004.0	10.4	50.13	9.4	42.68	8.5	34.02
2000	514.3	1004.0	10.9	55.50	9.9	45.07	9.0	38.16
Actual	771.5	771.5	10.8	52.78	9.8	45.07	8.9	38.16
400	111.5	111.5	3.2	0.77	3.0	0.49	2.8	0.28
600	142.0	142.0	3.6	1.47	3.4	0.92	3.1	0.58
800	180.8	180.8	4.2	2.87	3.8	1.87	3.5	1.16
1000	258.6	258.6	5.2	7.75	4.7	5.00	4.3	3.45
1500	388.8	388.8	6.7	18.62	6.1	13.64	5.6	9.96
2000	514.3	514.3	8.2	32.10	7.4	23.80	6.7	18.62

Silverton

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	351.9	557.0	7.6	26.86	6.9	19.81	6.3	15.45
400	137.4	557.0	6.5	16.45	5.9	12.03	5.4	8.79
600	194.6	557.0	6.8	19.81	6.2	14.25	5.6	10.61
800	249.9	557.0	7.1	22.39	6.4	16.45	5.8	12.03
1000	266.2	557.0	7.2	22.39	6.5	16.45	5.9	12.03
1500	306.0	557.0	7.4	23.80	6.7	18.62	6.1	13.64
2000	331.8	557.0	7.5	25.29	6.8	19.81	6.2	14.52
Actual	351.9	351.9	6.3	15.45	5.7	11.30	5.2	7.75
400	137.4	137.4	3.6	1.39	3.3	0.87	3	0.52
600	194.6	194.6	4.3	3.67	4.0	2.39	3.6	1.47
800	249.9	249.9	5.1	6.84	4.6	4.70	4.2	3.05
1000	266.2	266.2	5.3	8.25	4.8	5.67	4.4	3.67
1500	306.0	306.0	5.8	11.30	5.2	7.75	4.8	5.32
2000	331.8	331.8	6.1	13.64	5.5	9.36	5.0	6.84

Table R-1 Estimated EPA Default Model Blood Lead Levels Associated With Various Yard Soil Cleanup Action Criteria (continued)

Osburn

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	418.6	493.0	7.6	25.29	6.8	19.81	6.2	14.52
400	142.5	493.0	6.1	13.64	5.5	9.96	5.1	6.84
600	204.7	493.0	6.4	16.45	5.8	12.03	5.3	8.25
800	263.2	493.0	6.8	18.62	6.1	13.64	5.6	9.96
1000	295.4	493.0	6.9	21.06	6.3	15.45	5.7	11.30
1500	334.1	493.0	7.1	22.39	6.4	16.45	5.9	12.03
2000	348.9	493.0	7.2	22.39	6.5	17.50	5.9	12.81
Actual	418.6	418.6	7.1	22.39	6.4	16.45	5.8	12.03
400	142.5	142.5	3.7	1.47	3.4	0.97	3.1	0.58
600	204.7	204.7	4.5	4.15	4.1	2.70	3.7	1.76
800	263.2	263.2	5.2	7.75	4.8	5.32	4.3	3.67
1000	295.4	295.4	5.6	10.61	5.1	7.28	4.7	5.00
1500	334.1	334.1	6.1	13.64	5.5	9.96	5.0	6.85
2000	348.9	348.9	6.3	15.45	5.7	10.61	5.2	7.75

Side Gulches

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	367.5	695.0	8.5	34.02	7.7	26.86	7.0	21.06
400	123.6	695.0	7.3	23.80	6.6	17.50	6.0	12.81
600	195.6	695.0	7.7	26.86	6.9	21.06	6.3	15.45
800	266.2	695.0	8.0	30.26	7.3	23.80	6.6	17.50
1000	296.8	695.0	8.2	32.10	7.4	23.80	6.7	18.62
1500	344.7	695.0	8.4	34.02	7.6	26.86	6.9	21.06
2000	354.8	695.0	8.5	34.02	7.6	26.86	7.0	21.06
Actual	367.5	367.5	6.5	16.45	5.9	12.03	5.4	8.79
400	123.6	123.6	3.4	1.03	3.1	0.65	2.9	0.39
600	195.6	195.6	4.4	3.67	4.0	2.39	3.7	1.47
800	266.2	266.2	5.3	8.25	4.8	5.67	4.4	3.67
1000	296.8	296.8	5.6	10.61	5.1	7.28	4.7	5.00
1500	344.7	344.7	6.2	14.52	5.6	10.61	5.1	7.28
2000	354.8	354.8	6.3	15.45	5.8	11.30	5.2	7.75

Table R-1 Estimated EPA Default Model Blood Lead Levels Associated With Various Yard Soil Cleanup Action Criteria (continued)

Kingston

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	256.8	466.0	6.5	17.50	5.9	12.81	5.4	8.79
400	135.9	466.0	5.9	12.03	5.4	8.79	4.9	6.03
600	151.8	466.0	6.0	12.81	5.4	9.36	5.0	6.42
800	161.2	466.0	6.0	13.64	5.5	9.36	5.0	6.42
1000	164.7	466.0	6.1	13.64	5.5	9.36	5.0	6.42
1500	187.7	466.0	6.2	14.52	5.6	9.96	5.1	7.28
2000	193.4	466.0	6.2	14.52	5.6	10.61	5.1	7.28
Actual	256.8	256.8	5.1	7.28	4.7	5.00	4.3	3.24
400	135.9	135.9	3.6	1.31	3.3	0.82	3.0	0.52
600	151.8	151.8	3.8	1.76	3.5	1.16	3.2	0.69
800	161.2	161.2	3.9	2.11	3.6	1.39	3.3	0.87
1000	164.7	164.7	3.9	2.25	3.6	1.47	3.3	0.92
1500	187.7	187.7	4.3	3.24	3.9	2.11	3.6	1.31
2000	193.4	193.4	4.3	3.45	4.0	2.25	3.6	1.47

Lower Basin

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	109.5	301.0	4.6	4.70	4.2	3.05	3.8	1.99
400	68.2	301.0	4.4	3.67	4.0	2.39	3.7	1.47
600	72.2	301.0	4.4	3.67	4.0	2.39	3.7	1.56
800	73.1	301.0	4.4	3.67	4.0	2.39	3.7	1.56
1000	74.1	301.0	4.4	3.90	4.0	2.54	3.7	1.56
1500	80.2	301.0	4.4	3.90	4.1	2.54	3.7	1.66
2000	84.5	301.0	4.5	4.15	4.1	2.70	3.7	1.66
Actual	109.5	109.5	3.2	0.73	3.0	0.46	2.7	0.26
400	68.3	68.3	2.6	0.20	2.5	0.13	2.3	0.07
600	72.2	72.2	2.7	0.23	2.5	0.14	2.3	0.08
800	73.1	73.1	2.7	0.23	2.5	0.15	2.3	0.09
1000	74.1	74.1	2.7	0.25	2.5	0.16	2.3	0.09
1500	80.2	80.2	2.8	0.31	2.6	0.19	2.4	0.12
2000	84.5	84.5	2.8	0.35	2.7	0.22	2.5	0.13

Table R-2 Estimated Box Model Blood Lead Levels Associated With Yard Soil Cleanup Action Criteria

Mullan

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	627.8	985.0	7.6	26.86	6.9	19.81	6.3	14.52
400	127.9	985.0	5.5	9.36	5.0	6.42	4.5	4.42
600	158.8	985.0	5.6	9.96	5.1	7.28	4.6	4.70
800	199.4	985.0	5.8	11.30	5.2	7.75	4.8	5.67
1000	230.4	985.0	5.9	12.81	5.4	8.79	4.9	6.03
1500	299.9	985.0	6.2	14.52	5.6	10.61	5.1	7.28
2000	413.1	985.0	6.7	18.62	6.1	13.64	5.5	9.96
Actual	627.8	627.8	6.6	17.50	6.0	12.81	5.5	9.36
400	127.9	127.9	2.7	0.28	2.6	0.17	2.4	0.10
600	158.8	158.8	3.0	0.49	2.8	0.31	2.6	0.18
800	199.4	199.4	3.3	0.92	3.1	0.58	2.8	0.35
1000	230.4	230.4	3.6	1.39	3.3	0.87	3.0	0.55
1500	299.9	299.9	4.2	2.87	3.8	1.87	3.5	1.16
2000	413.1	413.1	5.0	6.84	4.6	4.42	4.2	3.05

Burke/Nine Mile

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	679.1	879.0	7.5	25.29	6.8	19.81	6.2	14.52
400	102.8	879.0	5.0	6.84	4.6	4.42	4.2	3.05
600	118.8	879.0	5.1	7.28	4.6	4.70	4.2	3.24
800	164.8	879.0	5.3	8.25	4.8	5.67	4.4	3.90
1000	195.4	879.0	5.5	9.36	5.0	6.42	4.5	4.42
1500	282.1	879.0	5.8	12.03	5.3	8.25	4.8	5.67
2000	401.4	879.0	6.4	15.45	5.8	11.30	5.2	7.75
Actual	679.1	679.1	7.0	21.06	6.3	15.45	5.7	11.30
400	102.8	102.8	2.5	0.16	2.4	0.10	2.2	0.06
600	118.8	118.8	2.7	0.22	2.5	0.14	2.3	0.08
800	164.8	164.8	3.1	0.55	2.8	0.35	2.6	0.20
1000	195.4	195.4	3.3	0.87	3.1	0.55	2.8	0.33
1500	282.1	282.1	4.0	2.39	3.7	1.56	3.4	0.97
2000	401.4	401.4	4.9	6.42	4.5	4.15	4.1	2.70

Table R-2 Estimated Box Model Blood Lead Levels Associated With Yard Soil Cleanup Action Criteria (continued)

Wallace

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	771.5	1004.0	8.2	32.10	7.4	25.29	6.8	18.62
400	111.5	1004.0	5.4	9.36	5.0	6.42	4.5	4.15
600	142.0	1004.0	5.6	9.96	5.1	6.84	4.6	4.70
800	180.8	1004.0	5.8	11.30	5.2	7.75	4.8	5.32
1000	258.6	1004.0	6.1	13.64	5.5	9.96	5.0	6.84
1500	388.8	1004.0	6.7	18.62	6.0	12.81	5.5	9.36
2000	514.3	1004.0	7.2	22.39	6.5	16.45	5.9	12.03
Actual	771.5	771.5	7.6	26.86	6.9	19.81	6.3	14.52
400	111.5	111.5	2.6	0.19	2.4	0.12	2.3	0.07
600	142.0	142.0	2.9	0.37	2.7	0.22	2.5	0.14
800	180.8	180.8	3.2	0.69	3.0	0.43	2.7	0.26
1000	258.6	258.6	3.8	1.87	3.5	1.23	3.2	0.77
1500	388.8	388.8	4.8	5.67	4.4	3.90	4.0	2.54
2000	514.3	514.3	5.8	11.30	5.3	8.25	4.8	5.67

Silverton

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	351.9	557.0	5.2	7.75	4.7	5.32	4.3	3.45
400	137.4	557.0	4.2	3.05	3.8	1.99	3.5	1.23
600	194.6	557.0	4.5	4.15	4.1	2.70	3.7	1.66
800	249.9	557.0	4.7	5.32	4.3	3.45	3.9	2.25
1000	266.2	557.0	4.8	5.67	4.4	3.67	4.0	2.39
1500	306.0	557.0	5.0	6.42	4.5	4.42	4.1	2.87
2000	331.8	557.0	5.1	7.28	4.6	4.70	4.2	3.24
Actual	351.9	351.9	4.6	4.42	4.2	2.87	3.8	1.87
400	137.4	137.4	2.8	0.33	2.6	0.21	2.4	0.12
600	194.6	194.6	3.3	0.87	3.1	0.55	2.8	0.33
800	249.9	249.9	3.8	1.76	3.4	1.10	3.2	0.69
1000	266.2	266.2	3.9	2.11	3.6	1.31	3.3	0.82
1500	306.0	306.0	4.2	3.05	3.8	1.99	3.5	1.23
2000	331.8	331.8	4.4	3.90	4.0	2.54	3.7	1.56

Table R-2 Estimated Box Model Blood Lead Levels Associated With Yard Soil Cleanup Action Criteria (continued)

Osburn

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	418.6	493.0	5.3	8.25	4.8	5.67	4.4	3.90
400	142.5	493.0	4.0	2.39	3.7	1.56	3.4	0.97
600	204.7	493.0	4.3	3.45	3.9	2.25	3.6	1.39
800	263.2	493.0	4.6	4.70	4.2	3.05	3.8	1.99
1000	295.4	493.0	4.7	5.32	4.3	3.45	4.0	2.25
1500	334.1	493.0	4.9	6.03	4.5	4.15	4.1	2.70
2000	348.9	493.0	5.0	6.42	4.5	4.42	4.1	2.87
Actual	418.6	418.6	5.1	6.84	4.6	4.70	4.2	3.05
400	142.5	142.5	2.9	0.37	2.7	0.22	2.5	0.14
600	204.7	204.7	3.4	0.97	3.1	0.61	2.9	0.37
800	263.2	263.2	3.9	1.99	3.5	1.31	3.3	0.77
1000	295.4	295.4	4.1	2.70	3.8	1.76	3.5	1.10
1500	334.1	334.1	4.4	3.90	4.0	2.54	3.7	1.66
2000	348.9	348.9	4.5	4.42	4.1	2.87	3.8	1.87

Side Gulches

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	367.5	695.0	5.7	10.61	5.2	7.28	4.7	5.00
400	123.6	695.0	4.6	4.42	4.2	2.87	3.8	1.87
600	195.6	695.0	4.9	6.03	4.5	4.15	4.1	2.70
800	266.2	695.0	5.2	7.75	4.7	5.32	4.3	3.45
1000	296.8	695.0	5.4	8.79	4.9	6.03	4.4	3.90
1500	344.7	695.0	5.6	9.96	5.1	6.84	4.6	4.70
2000	354.8	695.0	5.6	10.61	5.1	7.28	4.7	5.00
Actual	367.5	367.5	4.7	5.00	4.3	3.24	3.9	2.11
400	123.6	123.6	2.7	0.25	2.5	0.16	2.3	0.09
600	195.6	195.6	3.3	0.87	3.1	0.55	2.8	0.33
800	266.2	266.2	3.9	2.11	3.6	1.31	3.3	0.82
1000	296.8	296.8	4.1	2.87	3.8	1.76	3.5	1.16
1500	344.7	344.7	4.5	4.15	4.1	2.70	3.8	1.76
2000	354.8	354.8	4.6	4.42	4.2	3.05	3.8	1.87

Table R-2 Estimated Box Model Blood Lead Levels Associated With Yard Soil Cleanup Action Criteria (continued)

Kingston

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 84 mos.
Actual	256.8	466.0	4.5	4.15	4.1	2.70	3.7	1.66
400	135.9	466.0	3.9	2.11	3.6	1.39	3.3	0.82
600	151.8	466.0	4.0	2.39	3.6	1.47	3.3	0.92
800	161.2	466.0	4.0	2.39	3.7	1.56	3.4	0.97
1000	164.7	466.0	4.0	2.54	3.7	1.66	3.4	1.03
1500	187.7	466.0	4.1	2.87	3.8	1.87	3.5	1.16
2000	193.4	466.0	4.2	2.87	3.8	1.87	3.5	1.23
Actual	256.8	256.8	3.8	1.87	3.5	1.16	3.2	0.73
400	135.9	135.9	2.8	0.33	2.6	0.20	2.4	0.12
600	151.8	151.8	2.9	0.43	2.7	0.28	2.5	0.16
800	161.2	161.2	3.0	0.52	2.8	0.33	2.6	0.19
1000	164.7	164.7	3.1	0.55	2.8	0.35	2.6	0.20
1500	187.7	187.7	3.2	0.77	3.0	0.49	2.8	0.29
2000	193.4	193.4	3.3	0.87	3.0	0.52	2.8	0.31

Lower Basin

Yard Soil Remediation Concentration ($\mu\text{g}/\text{kg}$)	Community Soil Concentration ($\mu\text{g}/\text{kg}$)	Community Dust Concentration ($\mu\text{g}/\text{kg}$)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dL}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dL}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dL}$ 0 to 84 mos.
Actual	109.5	301.0	3.2	0.77	3.0	0.49	2.8	0.28
400	68.2	301.0	3.0	0.52	2.8	0.33	2.6	0.19
600	72.2	301.0	3.0	0.52	2.8	0.33	2.6	0.20
800	73.1	301.0	3.0	0.55	2.8	0.33	2.6	0.20
1000	74.1	301.0	3.1	0.55	2.8	0.35	2.6	0.20
1500	80.2	301.0	3.1	0.58	2.9	0.37	2.6	0.21
2000	84.5	301.0	3.1	0.61	2.9	0.37	2.7	0.22
Actual	109.5	109.5	2.6	0.18	2.4	0.12	2.3	0.07
400	68.3	68.3	2.2	0.06	2.1	0.04	2.0	0.02
600	72.2	72.2	2.3	0.07	2.1	0.04	2.0	0.02
800	73.1	73.1	2.3	0.07	2.1	0.05	2.0	0.02
1000	74.1	74.1	2.3	0.07	2.2	0.05	2.0	0.03
1500	80.2	80.2	2.3	0.09	2.2	0.06	2.1	0.03
2000	84.5	84.5	2.4	0.10	2.2	0.06	2.1	0.03

Table R-3 Estimated Community Blood Lead Levels and Health Risk Associated With Various Yard Soil Action Criteria

Mullan

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g/dl}$)
EPA Default							
Actual	627.8	985.0	11.3	58.29	10.2	50.13	9.3
400	127.9	381.4	5.3	8.25	4.8	5.67	4.4
600	158.8	411.1	5.7	10.61	5.1	7.28	4.7
800	199.4	446.9	6.1	13.64	5.5	9.96	5.1
1000	230.4	471.4	6.4	16.45	5.8	12.03	5.3
1500	299.9	525.3	7.2	22.39	6.5	16.45	5.9
2000	413.1	607.1	8.2	32.10	7.4	25.29	6.8
Box Model							
Actual	627.8	985.0	7.6	26.86	6.9	19.81	6.3
400	127.9	381.4	3.6	1.39	3.3	0.87	3.0
600	158.8	411.1	3.8	1.99	3.5	1.23	3.2
800	199.4	446.9	4.1	2.87	3.8	1.87	3.5
1000	230.4	471.4	4.4	3.67	4.0	2.39	3.7
1500	299.9	525.3	4.9	5.67	4.4	3.90	4.0
2000	413.1	607.1	5.6	10.61	5.1	7.28	4.7

Burke/Nine Mile

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g/dl}$)
EPA Default							
Actual	679.1	879.0	11.0	55.50	9.9	47.56	9.0
400	102.8	353.7	4.9	6.42	4.5	4.15	4.1
600	118.8	371.1	5.2	7.28	4.7	5.00	4.3
800	164.8	416.5	5.7	11.30	5.2	7.75	4.7
1000	195.4	442.7	6.1	13.64	5.5	9.36	5.0
1500	282.1	511.8	7.0	21.06	6.3	15.45	5.8
2000	401.4	598.9	8.1	30.26	7.3	23.80	6.7
Box Model							
Actual	679.1	879.0	7.5	25.29	6.8	19.81	6.2
400	102.8	353.7	3.4	0.97	3.1	0.61	2.9
600	118.8	371.1	3.5	1.23	3.2	0.77	3.0
800	164.8	416.5	3.9	2.11	3.6	1.31	3.3
1000	195.4	442.7	4.1	2.7	3.8	1.76	3.5
1500	282.1	511.8	4.7	5.32	4.3	3.45	3.9
2000	401.4	598.9	5.5	9.96	5.0	6.84	4.6

Table R-3 Estimated Community Blood Lead Levels and Health Risk Associated With Various Yard Soil Action Criteria (continued)

Wallace

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g/dl}$)
EPA Default							
Actual	771.5	1004.0	12.0	61.13	10.8	52.78	9.9
400	111.5	364.7	5.1	6.84	4.6	4.70	4.2
600	142.0	395.1	5.5	9.36	5.0	6.42	4.5
800	180.8	430.7	5.9	12.03	5.4	8.79	4.9
1000	258.6	493.4	6.7	18.62	6.1	13.64	5.6
1500	388.8	590.0	8.0	30.26	7.2	22.39	6.6
2000	514.3	678.4	9.1	40.37	8.2	32.10	7.5
Box Model							
Actual	771.5	1004.0	8.2	32.10	7.4	25.29	6.8
400	111.5	364.7	3.5	1.10	3.2	0.69	2.9
600	142.0	395.1	3.7	1.56	3.4	1.03	3.1
800	180.8	430.7	4.0	2.39	3.7	1.56	3.4
1000	258.6	493.4	4.6	4.42	4.2	2.87	3.8
1500	388.8	590.0	5.5	9.36	5.0	6.42	4.5
2000	514.3	678.4	6.3	15.45	5.7	10.61	5.2

Silverton

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g/dl}$)	% to exceed 10 $\mu\text{g/dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g/dl}$)
EPA Default							
Actual	351.9	557.0	7.6	26.86	6.9	19.81	6.3
400	137.4	390.3	5.4	8.79	4.9	6.03	4.5
600	194.6	442.7	6.1	13.64	5.5	9.36	5.0
800	249.9	487.2	6.7	18.62	6.0	12.81	5.5
1000	266.2	499.6	6.8	19.81	6.2	14.52	5.6
1500	306.0	529.7	7.2	22.39	6.5	17.50	5.9
2000	331.8	548.9	7.5	25.29	6.8	18.62	6.2
Box Model							
Actual	351.9	557.0	5.2	7.75	4.7	5.32	4.3
400	137.4	390.3	3.7	1.56	3.4	0.97	3.1
600	194.6	442.7	4.1	2.70	3.8	1.76	3.5
800	249.9	487.2	4.5	4.15	4.1	2.70	3.8
1000	266.2	499.6	4.6	4.70	4.2	3.05	3.9
1500	306.0	529.7	4.9	6.03	4.5	4.15	4.1
2000	331.8	548.9	5.1	6.84	4.6	4.70	4.2

Table R-3 Estimated Community Blood Lead Levels and Health Risk Associated With Various Yard Soil Action Criteria (continued)

Osburn

Yard Soil Remediation Concentration (mg/kg)	Community Soil Concentration (mg/kg)	Community Dust Concentration (mg/kg)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)
EPA Default							
Actual	418.6	493.0	7.6	25.29	6.8	19.81	6.2
400	142.5	396.1	5.5	9.36	5.0	6.42	4.5
600	204.7	451.1	6.2	14.52	5.6	9.96	5.1
800	263.2	497.3	6.8	19.81	6.1	13.64	5.6
1000	295.4	521.6	7.1	22.39	6.4	16.45	5.9
1500	334.1	550.3	7.5	25.29	6.8	18.62	6.2
2000	348.9	561.2	7.6	26.86	6.9	19.81	6.3
Box Model							
Actual	418.6	493.0	5.3	8.25	4.8	5.67	4.4
400	142.5	396.1	3.7	1.66	3.4	1.03	3.1
600	204.7	451.1	4.2	3.05	3.8	1.87	3.5
800	263.2	497.3	4.6	4.70	4.2	3.05	3.8
1000	295.4	521.6	4.8	5.67	4.4	3.67	4.0
1500	334.1	550.3	5.1	7.28	4.6	4.70	4.2
2000	348.9	561.2	5.2	7.75	4.7	5.32	4.3

Side Gulches

Yard Soil Remediation Concentration ($\mu\text{g}/\text{kg}$)	Community Soil Concentration ($\mu\text{g}/\text{kg}$)	Community Dust Concentration ($\mu\text{g}/\text{kg}$)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dL}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dL}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dL}$)
EPA Default							
Actual	367.5	695.0	8.5	34.02	7.7	26.86	7.0
400	123.6	377.3	5.2	7.75	4.8	5.32	4.3
600	195.6	443.5	6.1	13.64	5.5	9.36	5.0
800	266.2	499.6	6.8	19.81	6.2	14.52	5.6
1000	296.8	523.0	7.1	22.39	6.4	16.45	5.9
1500	344.7	558.3	7.6	26.86	6.9	19.81	6.3
2000	354.8	565.6	7.7	26.86	6.9	21.06	6.3
Box Model							
Actual	367.5	695.0	5.7	10.61	5.2	7.28	4.7
400	123.6	377.3	3.6	1.31	3.3	0.82	3.0
600	195.6	443.5	4.1	2.70	3.8	1.76	3.5
800	266.2	499.6	4.6	4.70	4.2	3.05	3.9
1000	296.8	523.0	4.8	5.67	4.4	3.90	4.0
1500	344.7	558.3	5.2	7.28	4.7	5.00	4.3
2000	354.8	565.6	5.2	7.75	4.8	5.32	4.3

Table R-3 Estimated Community Blood Lead Levels and Health Risk Associated With Various Yard Soil Action Criteria (continued)

Kingston

Yard Soil Remediation Concentration ($\mu\text{g}/\text{kg}$)	Community Soil Concentration ($\mu\text{g}/\text{kg}$)	Community Dust Concentration ($\mu\text{g}/\text{kg}$)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dL}$)
EPA Default							
Actual	256.8	466.0	6.5	17.50	5.9	12.81	5.4
400	135.9	389.3	5.4	8.79	4.9	6.03	4.5
600	151.8	404.6	5.6	9.96	5.1	6.84	4.6
800	161.2	412.9	5.7	10.61	5.2	7.28	4.7
1000	164.7	416.5	5.7	11.30	5.2	7.75	4.7
1500	187.7	435.9	6.0	12.81	5.4	8.79	4.9
2000	193.4	441.0	6.0	13.64	5.5	9.36	5.0
Box Model							
Actual	256.8	466.0	4.5	4.15	4.1	2.70	3.7
400	135.9	389.3	3.6	1.47	3.4	0.97	3.1
600	151.8	404.6	3.8	1.76	3.5	1.16	3.2
800	161.2	412.9	3.8	1.99	3.5	1.23	3.2
1000	164.7	416.5	3.9	2.11	3.6	1.31	3.3
1500	187.7	435.9	4.0	2.54	3.7	1.66	3.4
2000	193.4	441.0	4.1	2.70	3.7	1.76	3.4

Lower Basin

Yard Soil Remediation Concentration ($\mu\text{g}/\text{kg}$)	Community Soil Concentration ($\mu\text{g}/\text{kg}$)	Community Dust Concentration ($\mu\text{g}/\text{kg}$)	Geo Mean 9 to 24 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 9 to 24 mos.	Geo Mean 0 to 60 mos. ($\mu\text{g}/\text{dL}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ 0 to 60 mos.	Geo Mean 0 to 84 mos. ($\mu\text{g}/\text{dL}$)
EPA Default							
Actual	109.5	301.0	4.6	4.70	4.2	3.05	3.8
400	68.2	311.2	4.4	3.90	4.1	2.54	3.7
600	72.2	316.7	4.5	4.15	4.1	2.70	3.8
800	73.1	318.1	4.5	4.15	4.1	2.87	3.8
1000	74.1	319.4	4.5	4.42	4.1	2.87	3.8
1500	80.2	327.3	4.6	4.70	4.2	3.05	3.9
2000	84.5	332.4	4.7	5.00	4.3	3.24	3.9
Box Model							
Actual	109.5	301.0	3.2	0.77	3.0	0.49	2.8
400	68.2	311.2	3.1	0.55	2.8	0.35	2.6
600	72.2	316.7	3.1	0.58	2.9	0.37	2.7
800	73.1	318.1	3.1	0.61	2.9	0.37	2.7
1000	74.1	319.4	3.1	0.61	2.9	0.39	2.7
1500	80.2	327.3	3.2	0.69	2.9	0.43	2.7
2000	84.5	332.4	3.2	0.73	3.0	0.46	2.7

1 Cleanup

% to exceed 10 µg/dl 0 to 84 mos.
42.68
3.67
5.00
6.84
8.25
12.03
18.62

14.52
0.52
0.77
1.16
1.47
2.54
5.00

% to exceed 10 µg/dl 0 to 84 mos.
40.37
2.70
3.45
5.32
6.84
11.30
18.62

14.52
0.37
0.46
0.82
1.10
2.25
4.70

I Cleanup

% to exceed 10 µg/dl 0 to 84 mos.
--

47.56
3.05
4.42
6.03
9.96
17.50
25.29

18.62
0.41
0.61
0.97
1.87
4.42
7.75

% to exceed 10 µg/dl 0 to 84 mos.
--

15.45
4.15
6.84
9.36
10.61
12.81
14.52

3.45
0.58
1.10
1.76
1.99
2.70
3.05

1 Cleanup

% to exceed 10 µg/dl 0 to 84 mos.

14.52
4.42
7.28
9.96
12.03
14.52
15.45

3.90
0.65
1.23
1.99
2.54
3.24
3.45

% to exceed 10 µg/dl 0 to 84 mos.

21.06
3.67
6.84
10.61
12.03
14.52
15.45

5.00
0.49
1.10
1.99
2.54
3.45
3.67

I Cleanup

% to exceed 10 µg/dl 0 to 84 mos.
8.79
4.15
4.70
5.00
5.32
6.42
6.42
1.66
0.58
0.69
0.77
0.82
1.03
1.10

% to exceed 10 µg/dl 0 to 84 mos.
1.99
1.66
1.76
1.76
1.87
1.99
2.11
0.28
0.20
0.22
0.22
0.22
0.25
0.28

Table R-4 Individual Blood Lead Levels and Health Risk at Potential Action Levels

Method	Yard Soil Remediation Concentration (mg/kg)	Geometric Mean 0 to 84 mos. ($\mu\text{g}/\text{dl}$)	% to exceed 10 $\mu\text{g}/\text{dl}$ to 84 mos.	% to exceed 15 $\mu\text{g}/\text{dl}$ to 84 mos.
Mullan				
EPA Default	400	5.6	10.0	1.7
	600	6.6	17.5	3.7
Box Model	600	4.9	5.7	0.8
	800	5.6	10.61	1.8
EPA Default	1000	6.4	15.5	3.2
	2000	9.7	45.1	16.5
Burke/Nine Mile				
EPA Default	400	5.4	9.4	1.5
	600	6.4	15.5	3.2
Box Model	600	4.8	5.3	0.7
	800	5.6	9.96	1.7
EPA Default	1000	6.3	15.5	3.1
	2000	9.6	45.1	16.5
Wallace				
EPA Default	400	5.5	9.4	1.6
	600	6.5	16.5	3.5
Box Model	600	4.8	5.7	0.7
	800	5.6	9.96	1.7
EPA Default	1000	6.4	16.5	3.2
	2000	9.8	45.1	17.5
Silverton				
EPA Default	400	5.6	10.6	1.8
	600	6.7	18.6	4.2
Box Model	600	4.9	6.0	0.8
	800	5.7	11.3	1.9
EPA Default	1000	6.4	16.5	3.2
	2000	9.5	42.7	15.5
Osburn				
EPA Default	400	5.7	10.6	1.8
	600	6.8	18.6	4.2
Box Model	600	4.9	6.4	0.9
	800	5.7	11.3	1.9
EPA Default	1000	6.5	16.5	3.5
	2000	9.6	42.7	15.5
Side Gulches				
EPA Default	400	5.6	10.0	1.7
	600	6.7	18.6	4.2
Box Model	600	4.9	6.0	0.8
	800	5.7	11.3	2.0
EPA Default	1000	6.5	16.5	3.5
	2000	9.6	42.7	15.5
Kingston				
EPA Default	400	5.6	10.6	1.8
	600	6.5	17.5	3.7
Box Model	600	4.8	5.7	0.8
	800	5.6	9.96	1.7
EPA Default	1000	6.2	14.5	2.9
	2000	9.3	42.7	14.5
Lower Basin				
EPA Default	400	5.2	7.8	1.2
	600	6.1	13.6	2.5
Box Model	600	4.6	4.7	0.6
	800	5.3	8.25	1.31
EPA Default	1000	6.0	12.8	2.4
	2000	9.1	40.4	13.6